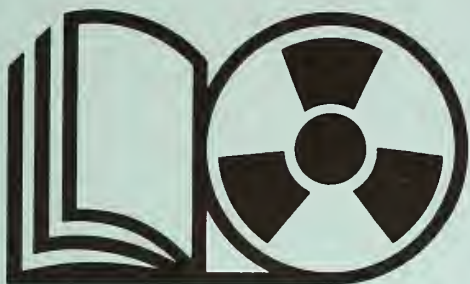


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



AGRICULTURAL LIBRARIES INFORMATION NOTES

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE AERIAL PHOTOGRAPHY – PHOTO INDEXES

Joseph N. Swab

Head, Collections Preservation and Control Section, NAL

The National Agricultural Library now houses the hard copy of approximately 70,000 photo indexes of aerial photographs of the arable land in about 3,000 counties (including parishes, independent cities, etc.) in all of the states of the United States except Alaska. This collection of aerial photographs includes composite photos of nearly all of the photography prepared by the Agricultural Stabilization and Conservation Service (ASCS) since 1940. ASCS maintains the original negatives and provides services from them. Photography flown in the 1930's by ASCS and its predecessor agencies was on nitrate base film and because of the flammability and danger of storing and handling the aging materials, the negatives were transferred to the National Archives for microfilming prior to destruction. The primary objective served by this photography has been to measure croplands – by the most effective and economical method.

Physical arrangement of the collection is alphabetically by state, subdivided alphabetically by county, etc., and by year of flight. The 20" x 24" composite photo indexes are stored in binders by county, with the most recent sheets on top. Scale is approximately 1" to the mile; consequently small counties in the East are covered by 1 to 4 sheets while the largest counties in the West have more than 40 sheets. The composite consists of prints of each of the negatives for the area covered, with edges overlapping 30 to 65 percent, and each negative identified by a symbol and number. Photography covers about 79 percent of the land area of the U. S., excluding Alaska, or 2,400,000

square miles. Obsolete photography is re flown whenever changing land-use patterns require, on an average of about every six years. This results in about 300,000 square miles of new photography each year.

A typical county, for example, Jackson, Illinois, is represented by one photo-index from 1952, four from 1959, four from 1965, and four from 1970. The symbol for Jackson is BGQ. The 1970 flight is represented by about a hundred photographs. The city of Carbondale can be seen in the four adjacent pictures identified BGQ-1LL-100, BGQ-1LL-101, BGQ-1LL-116, and which cover the NW, SW, NE, and SE areas of the city respectively and surrounding countryside. Photos BGQ-1LL-36 and BGQ-1LL-37 divide the community of Grand Tower into N & S areas, while part of Missouri can be seen across the Mississippi River. To recognize such named features one must know the topography or use a map, since no names appear on the photo indexes.

The locations of such features on the photo indexes are not identical from one flight to another. Grand Tower is on sheet 3 of 1970, sheet 2 of 1965, sheet 3 of 1959, and the one sheet of 1952. Symbols and numbers in earlier years also vary. Thus Carbondale is seen in about six frames of 1952, one of which is BGQ-6K-39; in 1959 the approximate same area is BGQ-2W-99; in 1965 it is BGQ-1FF-136; and in 1970 it is BGQ-1LL-101.

Beginning in 1971 ASCS adopted the Federal

Information Processing Standards (FIPS) which assigns each state and county a numerical code. The number for Jackson County, Illinois, is 17077; future photo indexes for Jackson will carry that number instead of the former BGQ symbol. For areas of other states and other counties of Illinois photographed since 1971, the numerical codes appear on the photo indexes.

Publications useful in working with these collections include the following:

Comprehensive Listing of Aerial Photography, revised July 1, 1975, compiled by Aerial Photography Field Office, ASCS, USDA, 2505 Parley's Way, Salt Lake City, Utah 84109.

This publication consists of 146 pages which list by State, County, ASCS Symbol and FIPS code, and Year of Photography, the number of photo indexes issued. NAL has checked its collection and, of the approximately 70,000 indexes listed, lacks only a few dozen (which it hopes to acquire). The lists are also coded to indicate scale (if other than 1:20,000), partial coverage, kind of film (if not panchromatic, such as infra red), and size of lens (if other than 8.25 inch).

Symbols for Aerial Photography, revised March 31, 1969, prepared by Aerial Photography Division, ASCS, USDA, Washington, D.C. 20250.

This publication is in two sections: the first, "State Listing", and the second, "Alphabetical Listing." In addition to the symbols used by ASCS prior to adoption of FIPS, the symbols used by the Forest Service (FS) and Soil Conservation Service (SCS) are also given by state and county in section one and by symbol in section two.

ASCS Aerial Photography Status Maps, as of December 31, 1975, ASCS, USDA, 2505 Parley's Way, Salt Lake City, Utah 84109.

This publication consists of maps of the states showing county boundaries and indicating photographic coverage by codes, shading, etc. The latest flight is indicated by year along with codes for the number of indexes, scale, lens, kind of film, etc. Partial coverage is indicated by outline defining

areas; such outlines are also used to indicate portions of counties flown at different times. Areas under contract for filming are indicated by shading. In addition a map of the entire U.S. gives the approximate coverage of aerial photography by other agencies available through ASCS [not including, however, Earth Resources Technology Satellite (ERTS) imagery, which covers the U.S., on a repeating 18-day cycle, nor Skylab imagery which covers targeted sites in the U.S.]

Requests for information relative to photographic coverage of 1936 to 1941 secured on nitrate film should be addressed to National Archives and Records Service, Cartographic Branch, General Services Administration, Washington, D.C. 20408.

Beginning with photography flown in 1975, NAL will hold photo indexes in the form of microfilm aperture cards. Hard copy photo-indexes will no longer be issued. Hard copy indexes previously held by ASCS at its former Eastern Laboratory, at the Laboratory in Salt Lake City, and at U. S. Dept. of Defense, have all been transferred to the National Agricultural Library where they will be available for users to consult prior to requesting services from the Aerial Photography Field Office in Salt Lake City.

Many products and services are available from the Aerial Photography Field office in Salt Lake City. Black and white contact prints, 9.5" x 9.5", are available at \$2.00 each while polyester base positive transparencies the same size are \$3.00 each. Enlargements range from 12" x 12" through 38" x 38" at \$4.00 through \$13.00 for prints and \$4.50 through \$16.00 for transparencies. For those areas where color photography is available prices range from \$4.00 for 70 mm and \$40.00 for a 38" x 38". Photo indexes are available at \$5.00 for B & W prints and \$6.00 for transparencies: the number of indexes per county, as indicated above, depends on the size of the county. Microfilm aperture cards are available at \$1.00 for the first card and 10 cents for each duplicate of that card.

Contract prints made from 1:20,000 scale photography have the ground scale one inch equals 1,667 feet while at 1:40,000, one inch equals 3,334 feet. Enlargements from 1:20,000 measuring 38" x 38" have the scale one inch equals 200 feet while on the same

sized enlargement from 1:40,000, one inch equals 400 feet. The prints are on water-resistant stable base paper.

Other available products include duplicate negatives, and types of film positives for light table use and for making diazo or blueprint copies. Additional services included are: photography certified as to the date of exposure, prints with geodetic control located on them, and controlled or uncontrolled mosaics constructed from the photography. The final cost of the prints is generally dependent on the size of the paper used with an extra charge being made only for any special processing which is requested. Photography is available for each of the years it has been flown.

Specifications call for photography which is vertical with the camera mounted to point straight down from the aircraft. Almost all is flown at a scale of 1:20,000 or 1:40,000. Thus each 9 x 9 inch negative covers either 8 or 32 square miles on the ground. The cameras have a focal length of 6, 8.25 or 12 inches, with the longer focal lengths used for the areas with greater differences in high and low ground elevations. The lines of flight are either north-south or east-west with photographs in a flightline overlapping about 65% and photographs in adjacent lines of flight overlapping 30%. Since clear field boundaries are of prime importance, etc., the photography must be taken while the atmosphere is free of haze or clouds, while the sun is at least 3.5 hours above the horizon, to eliminate long shadows, and while the ground is free of snow, floodwater, standing water, or other obstruction.

Accuracy and quality are important in both the photography and print making. After the film is inspected to verify compliance with specifications, the scale and tilt are determined since the attitude and altitude of the aircraft and ground elevations are different in each photograph. The picture is also tilted if the camera is at an angle off true vertical at the time of exposure. Using a variety of methods and equipment the ASCS laboratory technicians rectify scale and tilt, compensate for density and contrast differences in negatives, allow for variation in grades of papers, exposures, etc. and produce prints having uniform characteristics. The rectified aerial photograph is, in effect, a photographic map

accurately representing ground features such as roads, streams, trees, buildings, fields, and fence lines. The rectified-to-scale enlargements furnished by the laboratory maintain an accuracy greater than 99 percent, and using a planimeter, a precision instrument for measuring areas on a plane surface, a researcher may measure acreages on the photograph which—maintaining 99 percent accuracy—compare favorably with ground surveys.

Using these aerial maps the farm reporter from the County ASCS office can quickly verify, on any participating farm, acreages devoted to crops or to conservation uses under crop adjustment programs. If boundaries have changed since the photograph was made, a few ground measurements from the nearest land-marks permit plotting new boundaries on the photograph.

Aerial photography is valuable in many other ways besides its use in cropland measurement. It is important as a source of information for conservation, urban development and planning, soil, erosion, and pollution studies, foresting, drainage, watershed, and reservoir programs, boundary determination, location and/or construction of roads, powerlines, pipelines, etc., and other land developments. The collection at NAL has been used for such disparate purposes as comparison of an area before and after a dam was built and location of a cable crossing a river.

Because of the importance of these and other applications and because of the availability of this aerial photography, Congress has authorized sale of photography secured in connection with authorized work of the U. S. Department of Agriculture. As a result this photography is available at cost to other Federal agencies, State and local government, and to the general public. Persons wishing additional information, order forms, etc., should contact the Aerial Photography Field Office, U. S. Department of Agriculture, Agricultural Stabilization and Conservation Service, Administrative Services Division, 2505 Parley's Way, Salt Lake City, Utah 84109.

Photo indexes for any given county may be seen at the County ASCS Office, or for a given state at that State ASCS Office. Library users are invited

(Continued on page 11)

WORLD OF CAIN

Ronald J. Walton
Computer Applications, NAL

As a continuation of my notes to publicize CAIN and establish a forum for exchange of information between CAIN users and NAL Computer Applications (the supplier), I am describing the CAIN services available through our CAIN sale tape subscribers. This article is the first of a series intended to publicize these very important direct user services made available through various national and international CAIN tape subscribers. I am soliciting my other CAIN tape subscribers to provide me current information on their services. Send any information you have on your services to:


WORLD OF CAIN

Ronald J. Walton, Head
Computer Applications
National Agricultural Library
Beltsville, MD 20705

The University of California, Los Angeles (UCLA) Computerized Information Services (CIS) has been a CAIN customer since June 1972. The UCLA Computerized Information Service (CIS) is one of CAIN's primary supplier's of agricultural information to west coast libraries as well as other participating universities and commercial organizations in the area. The UCLA CIS is housed in the UCLA Research Library and is responsible for the development, implementation, and maintenance of computerized bibliographic search services within the nine campus UC library system as well as for other participating universities and commercial organizations.

Joann Yates at CIS informs me that there are currently 155 current awareness users of CAIN at CIS. The CIS offers current awareness bibliographic data base search services which provides users with ongoing information on a monthly basis of pertinent data bases as specified by their profile. Currently, CIS offers current awareness on Biological Abstracts, Bioresearch Index, CAIN, Chemical Abstracts, ERIC Resources in Education, Current Index to Journals in Education, and Social Science Citation Index

(through calendar year 1976).

Currently, University of California users are charged a small annual fee for CIS; beginning in June 1976 charges are going to be based on cost recovery. Current costs for CAIN current awareness service is \$6.00 per year to cover monthly searches. In June 1976 charges will be increased to \$32.30 per year to cover cost for monthly current awareness searches. CIS also offers associated CAIN information services, including training, data base aids, publications, and retrospective search services which vary in cost from campus to campus and from search to search depending on the user's needs. Information on the use of CAIN at CIS should be sought from the librarian at the user's location or directly from CIS, University Research Library, UCLA, Los Angeles, California 90024, contact Joann Yates, 213/825-1573 or 3747. 

NEW EDITION OF AGRICULTURAL BIBLIOGRAPHY

At the request of the University of California Press, a new edition of *The Literature of Agricultural Research* (1958) by J. R. Blanchard and Harald Ostvold is being prepared. All sections will be completely revised and a new chapter on ecology and environment will be included. In addition to descriptions of literature and reference sources, the new work, with the title, *Guide to Sources for Agricultural and Biological Research*, will include material on networks and libraries and recent developments concerning automated data bases. The National Agricultural Library will be one of the co-sponsors. Supervising editors will be J. R. Blanchard, University Librarian, Emeritus, University of California, Davis, (UCD) and Fred Hearsh, Assistant Director, St. Paul Campus, University of Minnesota. Section editors will be Marjan Meral, Head, Health Sciences Library, U.C.D.; Elizabeth Boardman, Collection Development Department, U.C.D., Katy Blizzard, Retired, U.C.D.; Lois Farrell, Head, Natural Sciences Libraries, U.C. Berkeley; and Maria Pateman and Phyllis Reich of the University of Minnesota Library. Publication is expected in late 1977 or early 1978.

NEW BIBLIOGRAPHIES

Ruth Pyne
Reference Division, NAL

Agencies of the Department of Agriculture, including field installations, preparing bibliographies, clear them with the National Agricultural Library before work begins. Clearance is handled by the Chief, Reference Division. Information submitted includes title and/or subject, scope, dates to be covered, agency, compiler, date when work actually begins, and probable completion date. In this column we will bring to our readers' attention proposed bibliographic projects submitted for clearance within USDA and, where possible, indicate the status. In order to increase the usefulness of this column, our readers are invited and encouraged to submit information on bibliographic projects in preparation. This information should be submitted to Ruth Pyne, Reference Division, Room 300, National Agricultural Library, Beltsville, MD. 20705

Following is a list of bibliographic projects submitted May 1976:

1. *Bibliography of walnut, supplement no. 2.*
By Martha K. Dillow. U. S. Forest Service.
26 p. 1975. (General Technical Report NC-13)
NAL call no.: aSD11.A34 no. 13, suppl. 2.
2. *An interdisciplinary view of world food problems: a selective bibliography 1974-1976.*
Ames, Iowa State University Library, 1976. 40 p.
To be published June 1976.

This bibliography was assembled for the express purpose of furnishing members of the World Food Conference, Iowa State University, Ames, Iowa, June 27 - July 1, 1976, with a current topics listing on the world food situation.

A terminal will be located close to the meeting area, where online bibliographic support will be supplied to members of the Conference in subject areas of interest on world food.

PENNSYLVANIA HORTICULTURAL SOCIETY'S BICENTENNIAL EXHIBIT

An exhibit of rare eighteenth and nineteenth Century books and artifacts documenting the important role played by Philadelphia and Philadelphians in early American horticulture will be staged April-September at the Pennsylvania Horticultural Society, 325 Walnut Street, Philadelphia. Exhibit hours will be from 9:00 AM until 5:00 PM, Monday through Friday and 10:00 AM until 4:00 PM on the weekends until Labor Day. After Labor Day normal Monday through Friday hours will be resumed. The exhibit is open to the public without charge.

The exhibit, one of the Pennsylvania Horticultural Society's special programs to commemorate the Nation's Bicentennial, has been four years in the planning. The thirty-eight books included have all been restored by Carolyn Horton, the country's leading book conservator. Artifacts include colonial days gardening tools unearthed by the National Park Service, a silk dress made from silk produced in Philadelphia, a list of plants in the handwriting of John Bartram and much other interesting memorabilia which serve to highlight the book displays. Scale models are included.

1976 ATWATER MEMORIAL LECTURE

Dr. Emil M. Mrak, chancellor-emeritus of the University of California, Davis, recently presented the eighth W. O. Atwater Memorial Lecture, "Food Science: Past, Present, and Future."

The Atwater lecture is sponsored by USDA's Agricultural Research Service. It honors *Dr. Wilbur Olin Atwater*, USDA's first chief of nutrition investigations. The lecture was established by ARS in 1967 and gives special recognition to individuals who have made outstanding contributions to sciences broadly related to human nutrition, or who have advanced public understanding of how science helps meet world food needs.

REGIONAL DOCUMENT DELIVERY REPORT 1975*

Wallace C. Olsen
Deputy Director for Library Services, NAL

ORGANIZATION AND PARTICIPANTS

The basic regional structure of the document delivery system to U. S. Department of Agriculture (USDA) field employees, established by the National Agricultural Library (NAL), remained essentially the same but was extended into seven additional states: New Mexico, Oklahoma, North and South Dakota, Nebraska, Wisconsin, and Minnesota. Twenty states were included by the end of 1975. The Southwestern Region was expanded July 1, 1975, to include Louisiana moved from the Southern Tier, and by adding New Mexico and Oklahoma on October 1 to the region. In December, service began in the North Central Region which includes North and South Dakota, Nebraska, Wisconsin, and Minnesota coordinated by the St. Paul Campus of the University of Minnesota.

This simple and basic arrangement has provided close regional working relationships and coordination of some other activities. Response of the land-grant librarians is very positive in providing the service even though all institutions may not receive full recompense.

In January 1976, the Mountain Region was established to include Colorado, Idaho, and Utah; Colorado State University coordinates this new region.

In all cases, except California and Oregon, service continues from the major land-grant institution in the state. Oregon has been served by Washington State University since October 1974. Only two University of California campuses serve as contact points in that state, those at Davis and Riverside. A full listing of participating institutions and contact persons on each campus is available from NAL.

Signed agreements with the regional coordinators continues as the basic operating and funding plan with modification in 1975 to provide a continuing

cooperative agreement without renewing basic principles each year. The regionals hold the funds and reimburse the state land-grant libraries. Regional *Guidelines* statements were issued by each of the regional coordinators in 1975.

Facts of greatest significance are these:

- . Document requests increased 38% over the previous year with newly added states accounting for less than 10% of the increase.
- . Likewise, the documents delivered increased slightly more than 38%.
- . Fulfillment rates went up 3% each in the Southern and Western Regions, but down slightly less than 3% in the Southwest. The total system fulfillment rate increased 1.4%.
- . Cost per transaction completed was up only 5 cents over 1974.
- . Increased costs for operating the system are the result of increased volume.

Texas A. & M. University continued to provide a high fulfillment from its collection, 70.4% of all requests received including those referred from the three states in its region. In absolute numbers completed, it exceeded the University of Georgia by 300 transactions although receiving a thousand fewer requests.

Near half of all receipts at the University of Georgia were out of state referrals which had gone through the first screen. At Texas A. & M. they were only about 10%. The University of Georgia's rate of completion on originals from within state was 74.3%. From these data it is clear that the University of Georgia and Texas A. & M. are providing an immense service within their states and regions, both numerically and on rate fulfillment. The same data show that the individual land-grant libraries in the Western Region contribute to a higher regional fulfillment rate than the individual states in other regions. This is probably more attributable to strong state collections in the subject areas requested than to any other one factor.

Some random statistical observations on the service can be noted:

Hardcopy volumes sent directly on loan to USDA personnel were greater than in 1974; however, they constituted a smaller percentage of all completed transactions, 3.6%, than in 1974, 4%.

Verification was cut on 1100 transactions in 1975; the percentage of all requests which were searched was cut in half, from 23% to 12.3%. This was a direct result of attempting to have the land-grants make more value judgements about the probability of their having the document.

The Southern Tier continues to be the busiest region with 49.2% of all requests in the system. This is nearly 7% below the previous year.

Peak months were:

1. April
2. September
3. January

The total 1975 cost of \$71,720. was a \$21,300. increase over 1974. As mentioned earlier, this is a direct function of the number of requests from USDA personnel and libraries. The cost per item computed on the number of requests received advanced 5 cents per transaction. A very modest sum considering the inflationary rates of photocopy supplies and equipment. During 1975, two states were forced to increase their within-state photocopy charges which NAL accepts as the paying rate in this system. Both increases were accepted by the National Agricultural Library.


NEEDS, PROBLEMS AND TRENDS

The following points will guide decisions in the coming year. Some need effective and economical solutions and are continuations from past years.

1. The increased fulfillment rate at the same level of per item cost represents a substantial accomplishment in a heavy inflation period. It is not certain which factor is to be praised most, but those which seem to be of greatest

significance are an increased efficiency at the state and regional centers, removal of some costly practices, and an increased assumption of costs by the participating libraries. The system shows signs of maturity; it must be kept from senility and the encumbent results.

2. Regional responsibility by the coordinating libraries has not been developed by NAL as it should be. The coordinating centers must be far more than service agents. The position of the regional resources is a difficult one if more authority is not invested with them. More specific, written indications of the authority of all participants is needed; needed in such a manner as to allow for individual institutional initiative and participation. Cooperative negotiation of points in question must be more actively pursued.
3. With maturity in three of the regions, should come advancement to other interactions. Coordination of collection development is an area which might lend itself to interstate and national action on the basis of some of the document delivery data and information we have. A test of points that lend themselves to such coordination should be attempted.
4. The National Agricultural Library should provide more careful articulation with current awareness literature services, as well as attempt some inter-play with the online bibliographic services for advancement of document delivery methods in a cooperative network.
5. Bypasses on the basis of subject matter or by format must be encouraged and attempted in greater numbers at the institutional level. Procedures need to be routinized with careful instructions to all participants so that the rationale is understood and the lines of communication and action are clear.
6. Review and reporting of turnaround times at each referral level continues to be a problem. Methods must be found to provide easily obtained and reliable data for this vital evaluation factor.

*Condensation of the complete report, which is available from Waliace C. Olsen. 

SURPLUS PUBLICATIONS

The following publications are surplus to NAL needs and are offered gratis to any library needing them to complete gaps in its holdings. Deadline for receiving requests will be July 15, 1976. Requestors should send self-addressed mailing labels to:

Head, Collection Maintenance Section
4th Floor
National Agricultural Library
Beltsville, MD. 20705

1. *American Chemical Society. Journal.* v. 95 no. 1 - v. 97, no. 24 (1973-1975)
2. *Biochemical & Biophysical Research Communications.* v. 52, no. 1 - v. 64, no. 3 (1973-1975)
3. *Current Science.* v. 43, no. 1 - v. 44, no. 12 (1974-1975)
4. *Cytogenetics & Cell Genetics.* v. 10, no. 1 - v. 12 no. 6 (1971-1973)
5. *Developmental Biology.* v. 27, no. 1-2, 4 - v. 40; v. 41, no. 2 - v. 47, no. 2 (1972-1975)
6. *Genetics.* v. 75, no. 1 - v. 78, no. 4 (1973-1974)
7. *Journal of Animal Science.* v. 24, no. 1 - v. 25, no. 4; v. 28, nos. 1 - 4 (1965-1966, 1969)
8. *Journal of Molecular Biology.* v. 73, no. 1 - v. 94, no. 4 (1973-1975)
9. *Journal of Ultrastructure Research.* v. 44, no. 1 - v. 49, no. 3 (1973-1974)
10. *Mutation Research.* v. 17 - 18, v. 20, v. 22 - v. 24, no. 3 (1973-1974)
11. *National History.* (June 1972 - Nov. 1975)
12. *New Phytologist.* v. 72, no. 1 - v. 73, no. 6 (1973-1974)

13. *New Zealand Journal of Botany.* v. 11, no. 1 - v. 12, no. 4 (1973-1974)
14. *Physiologia Plantarum.* v. 26, no. 1 - v. 32, no. 4 (1972-1974)
15. *Phyton.* v. 27, no. 1 - v. 31, no. 2 (1970-1973)
Lack v. 28, no. 1 (1971)
16. *Plant & Cell Physiology.* v. 13, no. 4 - v. 14, no. 6 (1972-1973)
17. *Plant & Soil.* v. 38, no. 1 - v. 41, no. 3 (1973-1974)
18. *Plant Physiology.* v. 51, no. 2 - v. 54, nos. 1-3, 5-6 (1973-1974)
19. *Radiation Botany.* v. 12, no. 1 - v. 13, no. 6 (1972-1973)
20. *Rhodora.* v. 74, no. 797 - v. 75, no. 804 (1972-1973)
21. *Zeitschrift für Pflanzenphysiologie.* v. 69, no. 1 - v. 73, no. 5 (1973-1974)

BICENTENNIAL SYMPOSIUM

The Associates NAL, Inc. will sponsor a 1-day Bicentennial Symposium on *Heritage of Agriculture in Maryland* on July 30, 1976. The Symposium will take place at the National Agricultural Library. Registration is \$10.00 for members and \$15.00 for non-members. Direct inquiries to:

Leila Moran
Executive Secretary
Associates NAL, Inc.
10301 Baltimore Blvd.
Beltsville, Md. 20705
(301) 344-3726

NEW PUBLICATIONS OF NOTE

Agricultural Development: Soil, Food, People, Work. By Charles E. Kellogg. Soil Science Society of America, Madison. 1975. 233 p. \$8.75. Order from the Society at 677 South Segoe Road, Madison, WI, 53711 (For ASSA, CSSA, and SSSA members, first copy \$7.00).

Basic Nutrition Facts. Revised edition. Society for Nutrition Education, Suite 1110, 2140 Shattuck Ave., Berkeley, CA. 94704. 1975. \$2.50.

Basis for Developing a Food and Agricultural Policy for New York State. Published by Agricultural Resources Commission, New York State Dept. of Agriculture and Markets. \$3.00. Available from Media Services Mailing Room, Cornell University, Research Park, Ithaca, N. Y. 14853.

Crop Productivity . . . Research Imperatives. 48 p. Free Summary of the International Conference on that subject October 1975. Available from either Marvin R. Lamborg, Manager, Enhancement of Plant Productivity, Charles F. Kettering Foundation Research Laboratory, 150 E. South St. Yellow Springs, Ohio, 45387; or from Sylvan Wittiver, Director, Agricultural Experiment Station, Michigan State University, E. Lansing, Mich. 48824.

A full book-length report of the Conference is also available from the same sources.

Crop Production, Principles and Practices. Stephen Chapman and Lark P. Carter. San Francisco, W. H. Freeman Co. \$7.00. Order from publisher.

Development of a High Protein Isolate from Selected Distillers By-Products. By James G. Kendrick. Nebraska University, Lincoln. 1975. NTIS PB-243 702/8WF PC \$5.25/MF \$2.25.

Do Retail Food Prices Adjust to Farm Price Changes Without Undue Lag? Report on data available and required to answer that question. U. S. Congress. House, Agriculture Committee, Washington. 1975. Available from GPO. Y 4.ag 8/1:P 93/14. \$.40.

Economic Impact Analysis of Effluent Guide-Lines: Animal Feed, Breakfast Cereal and Wheat Starch Segments of the Grain Mills Industry. By Samuel G. Unger, Robert J. Buzenberg, and Alan H. Ringleb. Development Planning and Research Association, Inc., Manhattan. 1975. NTIS PB-245 082/3WD PC \$5.25/MF \$2.25.

Egg Breaking and Processing Waste Control and Treatment. By W. J. Jewell and others. Cornell University, Ithaca. 1975. NTIS PB-245 588/9WF PC \$7.00/MF \$2.25.

Encyclopedia of the Food Service Industry. 2nd Edition. International Food Service Manufacturer's Association. 1 E. Wacker Drive, Chicago, Il. 60601. \$40.00.

Enhancement of Food Production for the United States. National Academy of Sciences, Printing and Publishing Office, 2101 Constitution Ave., Washington, 20418. 1975. \$6.00.

From Seed to Flower, Philadelphia 1681-1876. A Horticultural Point of View. Philadelphia, The Pennsylvania Horticultural Society, 1976. 119 p. Limited, numbered, hardbound edition is \$25.00 (\$10.00 to libraries). Paperbound edition is \$5.00 plus 30 cents handling.

Frozen Food Factbook and Directory 1976. National Frozen Food Association, Hersey, Pa., 17033.

Groundwater Pollution in Northwestern Arkansas. Fayetteville, Arkansas Agricultural Experiment Station, 1976 (Special Report 25) Free. Available from Dept. of Agricultural Economics and Rural Sociology, Univ. of Arkansas AES, Fayetteville, Ark. 72701.

IFT Regional Guide to Food Testing Laboratories and Consultants. 1976 edition. Institute of Food Technologists, 221 N. LaSalle St., Chicago, Il. 60601. \$3.00.

International Food Delivery Systems Symposium. Proceedings. Available from Dr. Eric Thor, Director of Communications, Dept. of Agricultural Sciences,

Rm., 349, University Hall, University of California, Berkeley, CA., 94720. 1975.

International Food Industries Congress, Proceedings, London, May 12-16, 1975. Food Trade Press, London. 1976. \$78.75.

The Market Functions and Costs of Food Between America's Fields and Tables. Prepared by the Economic Research Service and the Agricultural Marketing Service, USDA. U. S. Congress, Senate, Committee on Agriculture and Forestry, Washington. 1975. Available from GPO.

The Marketing of Frozen Foods. Eastern Frosted Food Association, Valley Streams, N. Y. 11580. 1975. \$4.00.

Methods of Gel Electrophoresis of Milk Proteins. Edited by H. Swaisgood. American Dairy Science Association, Urbana, Il. PNR.

Nutrition Labeling--How It Can Work for You. Nutrition Labeling, P. O. Box 4110, Kankakee, Il. 60901. 1975. \$2.00.

Report on Nutrition and Food Availability. U. S. Congress, Senate, Select Committee on Nutrition and Human Needs, Washington. 1974. Available from GPO. 75-600633.

1974 CENSUS OF AGRICULTURE

Preliminary four page reports are currently being published separately for each county in the United States with 10 farms or more. These will be issued on a flow basis from April through July 1976. These reports contain data for all farms and for farms with sales of \$2,500 and over. The tables include data for number of farms, farm acreage, farm operators, land in farms, size of farms, land use practices, income and sales, expenditures, machinery and equipment, livestock, poultry, livestock and poultry products, crops harvested, nursery and greenhouse products, and forestry products.

A state summary (vol. 1) follows the release of the last county report for each state. These reports, showing final data for the counties and the states, are scheduled for publication on a flow basis between mid-summer and the end of 1976.

Volume II is titled U.S. Summary and is scheduled for publication Jan. — Oct. 1977. Statistics by subject will be presented in separate chapters, with totals for the United States, regions, geographic divisions, and states. Data will be shown for all farms and for farms with sales of \$2,500 and over.

Agricultural Services will be contained in volume III. This report will contain data by state and county for the United States relating to establishments whose primary activities are providing agricultural services. A two-page preliminary report will be issued for each state between Apr. — May 1976. The tables will include data on number of establishments, gross receipts, and employees. The Final Report, to be issued Sept. 1976 will include data at the U.S., state, and county level for all establishments.

Volume IV, to be published Jan. — Sept. 1977, will contain Special Reports: Part 1. Graphic Summary, Part 2. Ranking Counties and States, Part 3. Coverage Evaluation, Part 4. Procedural History.

Distribution will be made of all volumes to Federal depository libraries. Additional copies will be available for sale at the Government Printing Office, Washington, D.C.

Data for all states and counties with 10 or more farms will be available on magnetic tape by mid-January 1977. Inquiries should be directed to:

Chief, Agricultural Division
Bureau of the Census
Washington, D.C. 20233
(301) 763-5230



PACIFIC TROPICAL BOTANICAL GARDEN

Publications of Na Lima Kokua (Garden and Volunteer Group)

Order from:

Publications Office
Pacific Tropical Botanical Garden
P.O. Box 340
Lawai, Kauai, Hawaii 96765

Rare and Endangered Species of Hawaiian Vascular Plants of Hawaii. In *Allertonia*, vol. 1, no. 1, 1975. \$6.00

Indigenous Trees of the Hawaiian Islands. 2nd rev. ed. Joseph Francis Charles Rock. Reprint of the 1938 edition. Lawai, Hawaii, Pacific Tropical Botanical Garden, 1974. 548 p. \$22.00.

Limu: An Ethnobotanical Study of Some Edible Hawaiian Seaweeds. By Isabella Abbott. \$1.00

Breadfruit (Ulu): Uses and Recipes by Na Lima Kokua. \$1.00

(Continued from page 3)

to consult the photo indexes for all states and counties and the publications cited previously at the National Agricultural Library. (Much of the preceding abstracted or quoted from information supplied by ASCS.)

ADDRESS: AERIAL PHOTOGRAPHY FIELD OFFICE USDA - ASCS - AS Division 2505 Parley's Way Salt Lake City, Utah 84109

NEW SERIALS RECEIVED AT NAL

Chemical Processing and Engineering. New York, Dekker. v. 1, 1975. (HD20.5.A1C5)

Ecological Aspects of Used-Water Treatment. New York, Academic Press. v. 1, 1975. (QR48.E3)

Free Radicals in Biology. New York, Academic Press. v. 1, 1976. (QD471.A1E7)

Mass Energies. Amsterdam, Elsevier. v. 1, no. 1, October 1975. q. (HV553.M3)

Pharmacology, Biochemistry and Behavior. Phoenix, N.Y., Ankho International, Inc. v. 1, Jan./Feb. 1973. (QP901.P53)

Physiological Entomology. Oxford, Blackwell Scientific Publications. v. 1, no. 1, March 1976. q. (QL461.P5)

Trends in Biochemical Sciences. Amsterdam, Elsevier. v. 1, no. 1, Jan. 1976. q. (QH345.T73)



AGRICULTURE DATEBOOK

June 21-July 2: *WESTERN REGIONAL WORKSHOP ON INDIVIDUAL AND COMMUNITY DEVELOPMENT*, Santa Fe, New Mexico. Contact: Howard Tankersley, ES-USDA, Rm. 6414 So. Agri. Bg. 14th & Independence Ave., S. W., Washington, D. C. 20250.

June 21-July 2: *INSTITUTE ON THE LIBRARY AND THE POLITICAL PROCESS*-Federal, State, County, and Local Level. The Catholic University of America, Graduate Dept. of Library Science. Contact: Dr. John J. Gilheany, Director of Continuing Education, The Catholic University of America, Washington, D. C. 20064.

June 23-24: *SYMPOSIUM ON INFORMATION DEMAND AND SUPPLY FOR THE 1980's.*

Washington, D. C. Auditorium of the National Academy of Science, Washington, D. C. Open to all interested participants. No fee.

Panel presentations will be given on aspects and characteristics of information in the 1980's; mechanisms, media, and new machinery; and political affects and impacts created in '80's. Panelists are Dale Baker, Mary Gardiner Jones, Andre Osorio, Isaac Auerbach, Derek Barlow, Natalie Dusoulir, Lee Burchinal, Adam Wysocki, and John Woolstrom. For further information contact: General Secretary ICSU AB, 17 rue Mirabeau 75016, Paris, France. Tel. 527-22-76. Or, Joel Barlow, Commission on, International Relations, National Academy of Sciences, 2101 Constitution Ave., N. W., Washington, D. C. 20418. Tel. (202) 389-6534.

June 27-July 1: WORLD FOOD CONFERENCE, Ames, Iowa. Contact: William W. Marion, 102A Dairy Industry Bldg., Iowa State University, Ames, Ia., 50010.

July 10, 30-31,
Aug. 13-14: SEMINAR ON PUBLIC RELATIONS FOR LIBRARY AND INFORMATION SERVICE. The Catholic University of America, Graduate Department of Library Science. Contact:

Dr. John J. Gilheany, Director of Continuing Education, The Catholic University of America, Washington, D. C. 20064.

July 11-16: FIRST INTERNATIONAL SYMPOSIUM ON FEED COMPOSITION, ANIMAL NUTRIENT REQUIREMENTS AND COMPUTERIZATION OF DIETS Logan, Utah. Contact: Lorin E. Harris, Director, International Feedstuffs Institute, College of Agriculture UMC46, Utah State University, Logan, Utah, 84322.

July 13-16: LIBRARY MANAGEMENT SKILLS INSTITUTE, AIRLIE, VA. Contact: Association of Research Libraries, Office of University Library Management Studies, 1527 New Hampshire Ave., N. W. Washington, D. C. 20036.

July 18-24: AMERICAN LIBRARY

ASSOCIATION ANNUAL CONFERENCE, Chicago, Ill.

August 2-6: COMMUNITY DEVELOPMENT SOCIETY ANNUAL MEETING, Boise, Idaho. Contact: Howard Tankersley, Extension Service, U. S. Department of Agriculture Rm. 6414 South Bldg., 14th & Independence Ave., S. W., Washington, D. C. 20250.

August 9-12: SYMPOSIUM ON "RECLAMATION OF DRASTICALLY DISTURBED LANDS." Ohio Agricultural Research and Development Center, Wooster, Ohio. For more information, write to Dr. Paul Sutton, Ohio Agricultural Research and Development Center, Route 6, Caldwell, Ohio 43724 or to American Society of Agronomy, 677 Segoe Road, Madison, Wisc. 53711.

October 4-8: AMERICAN SOCIETY OF INFORMATION SCIENCES, 39th Annual Meeting, San Francisco Hilton, San Francisco, CA.

October 17-11: INTERNATIONAL ASSOCIATION OF WATER POLLUTION RESEARCH. 8th Conference, Box 2609, G. P. O. Sidney 2001 Australia.

October 16: AGRICULTURAL HISTORY OF ONTARIO. 1st Annual Seminar. University of Guelph, Guelph, Ontario, Canada. For details contact: Office of Continuing Education, 824-4120, ext. 3956 or 3988.

This one day seminar will focus on the farm family and the relationship to land in mid-19th century Ontario as well as change in agriculture in the late 19th century. Specific seminar presentations will deal with the development of popular agricultural education, with historical developments in horticulture, engineering, and animal and crop production.

AGRICULTURAL LIBRARIES INFORMATION NOTES is published monthly by the U. S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Leila Moran, Editor.

SUPPLEMENT: May 1976

PERIPATETIC STAFF

John Hart attended a 3-day intensive course in Flavor Technology in New Jersey; April 21-23, 1976.

Joseph Swab attended the 25th Annual Conference & Exposition of the National Micrographics Association at Chicago, Illinois; April 27-30, 1976.

Celeste Huecker, Irene Glennon and Gwendolyn Turner attended a training conference sponsored by D. C. region Federally Employed Women, Inc. at Arlington, Va.; April 30 - May 1, 1976.

Richard A. Farley attended the 88th ARL membership meeting at Seattle, Washington; May 3-7, 1976.

William Yagodich and David Lee attended the 21st seminar on the Acquisition of Latin American Library Materials at Bloomington, Indiana; May 1-6, 1976.

Samuel Waters attended a Management Council Conference at Gettysburg, Pa.; May 5-7, 1976.

Harry Kemp attended the National Information Retrieval Colloquium at Philadelphia, Pa.; May 5, 1976.

Jayne McLean attended the Council of Botanical and Horticultural Libraries at Philadelphia, Pa.; May 5-8, 1976.

Maydelle Stewart assisted in CAIN Online Workshop at Steenbock Library, Madison, Wisconsin; May 8-14, 1976.

Robert Butler attended the Agricultural Management Planning Seminar at Harper's Ferry; May 10-14, 1976.

Gerald Sophar attended the 8th Annual Meeting of the Information Industry Association at Reston, Va.; May 11-13, 1976.

Richard A. Farley attended the 8th Session of the FAO Panel of Experts on the International Information System for AGRIS at Rome, Italy; May 15-22, 1976.

Gerald Sophar attended ASIS National Energy & Environmental Information Resources Conference in Nashville, Tennessee; May 19-22, 1976.

PERSONNEL ACTIONSAPPOINTMENTS

	<u>Position</u>	<u>Section</u>	<u>Eff. Date</u>	<u>Grade</u>
Patricia Tabler	Temp. Librn.	Reference	5/2/76	GS-7
Darlene Hackley	Compr. Progmer.	CA	5/10/76	GS-7
Cartenia Smith	Stu. Aid	Utiliz.	4/28/76	-
Deborah Blasi	Stu. Aid	Mgmt. Serv.	4/28/76	-

TERMINATIONS

Patty Phillips	Clk. Typ. (temp.)	Catalog	4/30/76	GS-2
Glen Purcell	Lib. Techncn. (temp.)	Reference	5/4/76	GS-4

UNITED STATES DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
BELTSVILLE, MARYLAND 20705

April 7, 1976

EQUAL EMPLOYMENT ADVISORY COMMITTEE MINUTES

REGULAR MEETING

The regular meeting of the EEOAC was held at 2:30 p.m. on March 16, 1976 in room 1402-C.

PRESENT

Dr. Farley, Robert Butler, Diana Claburn, Rosemary Bugher, Ron Young, Carl Younger, Helen Butler, Betty Daniels, Sue Wrightson, Evelyn Brown, Celeste Huecker, Wally Reeves, Idalia Acosta, Mary-Stuart Mellom, Christopher Harris, Gerald Sopher, Joe Swab.

Dr. Farley opened the meeting with remarks about the responsibilities of the Equal Employment Advisory Committee. What can I do that is useful? What can my input be? These are questions that the EEO members should ask themselves. The role of the EEOAC members is simple. They are to advise Dr. Farley about EEO actions. Dr. Farley indicated that the committee serve as a watch dog. Members are to listen to the staff of the library and report things to him. We should help him to govern according to the EEO rules. We are a helping committee. The role of EEOAC is not administration of the library, but informing Dr. Farley on EEO matters. Comments and questions by the committee members followed.

MINUTES OF THE FEBRUARY MEETING

The following corrections were made to the minutes:

Wally Reeves was also present at the meeting.

The USDA FWP Committee is going to be publishing minutes to their monthly reports, not the FWP Coordinator.

Also, on the voting, it should have been Helen Butler 3

Robert Butler 7

After the corrections, the minutes were approved.

APPROVAL OF THE AGENDA

The agenda was approved.

REPORT OF THE EEO COORDINATOR - No report.

REPORT OF THE SPANISH SPEAKING COORDINATOR

Mrs. Acosta attended 2 meetings that were held in Washington, D.C. The meeting that she attended on January 29, the Washington Council Meeting, was focused on workshops and conventions. On May 25, and May 26, 1976 she will be attending an English-Spanish Convention in Dallas, Texas. The work that has been done with New Mexico Highlands University was reported very good. Rita Leyba is now at NAL and will be leaving on June 5, 1976.

REPORT OF THE FWP COORDINATOR

40 copies of Career Counseling for Women in the Federal Government have been received. This handbook is being sent to all supervisors and to the EEO personnel. Handbook on Women Workers is being published by the Department of Labor. It is published every five years. The 1975 handbook has just been published. It concerns the employment and status of women. The FEW Regional meeting will be held in Arlington, Va. on April 30, and May 1, 1976. It will consist of a series of workshops. In July, the FEW National meeting will be held in San Francisco. The monthly meeting of the Northern P.G. Chapter FEW will be held on March 30, 1976.

REPORT OF THE EEO COUNSELORS

One person was given counseling. Mrs. Mellom suggested that John Cowherd of ARS should speak to the Committee. After some discussion on the duties of EEO counselors, it was recommended that this subject be placed on a future agenda.

REPORT OF EEOAC CHAIRMAN

Mr. Butler summarized a letter prepared by Dr. Farley to Othaniel Williams, Vice Chairman USDA EEO Committee on the requirement that names submitted for professional positions be on the Civil Service Register.

OLD BUSINESS

The Committee discussed the voting of ex officio members. Mr. Young made a motion that ex officio members should be given the right to vote on election of officers only. This issue was postponed for discussion until the next meeting. A proposed amendment to the by-laws making clear that ex officio members are full members of the committee was distributed.

The meeting was adjourned at 4:07 p.m.

Diana Claburn
Assistant Secretary